

20030129.qrp v02_n815.qrl.20030129

Date: Wed, 29 Jan 2003 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2815

QRP-L Digest 2815

Topics covered in this issue include:

- 1) [145368] Re: Solar Condition data
by "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
- 2) [145369] Matching Section
by "Royce Simmons" <w2rbn@prodigy.net>
- 3) [145370] Re: ot-coax
by Jerry Lofstead <w3cde@bellsouth.net>
- 4) [145371] Re: High speed CW
by "M. J. Powell" <mike@pickmere.demon.co.uk>
- 5) [145372] QQ
by "Francis Callahan" <colcal@srv.net>
- 6) [145373] Re: ot-coax
by Harry Hurst <wa3ptg@comcast.net>
- 7) [145374] Re: ot-coax
by "Mike Yetsko" <myetsko@insydesw.com>
- 8) [145375] Re: High speed CW
by "Mike Yetsko" <myetsko@insydesw.com>
- 9) [145376] Contest: MN QSO Party QRP "Gopher Hunt" this weekend
by "Jim NOUR" <n0ur@attbi.com>
- 10) [145377] Re: ot-coax
by Bill ROWLETT <kc4atu@yahoo.com>
- 11) [145378] Re: High speed CW
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 12) [145379] Re: hmmm???
by "Pat Whelton" <pwhelton@earthlink.net>
- 13) [145380] High Speed CW [long]
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 14) [145381] Who is TI5/KI7VR???
by "Joe W2KJ" <w2kj@bellsouth.net>
- 15) [145382] Re: What I Difference a Bead Balun Makes!
by "Dave Martin" <k2zu@seanet.com>
- 16) [145383] Callsign Change
by "John Huffman" <hjohnc@core.com>
- 17) [145384] Crystal Filter Help
by "Byron Tatum" <bjtatum@ev1.net>
- 18) [145385] NEW ADI DDS chips...
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 19) [145386] OT: Deleted "Email Proxy"

by Ed Tanton <n4xy@earthlink.net>
20) [145387] Re: ot-coax
by Pete Burbank <plburbank@earthlink.net>
21) [145388] FOX: AC7A Last call for log 01-23-03 Corrections
by "Thomas Kuehl" <ac7a@earthlink.net>
22) [145389] DSWTUN03, rel 0.85...now includes four port base-address
selections...
by "Bill, N4QA" <n4qa@hotmail.com>
23) [145390] Re: Set your PC clock - just for the rest of us
by Tim Groat <tcgroat@earthlink.net>
24) [145391] Elecraft reflector down?
by Randy <wrmoore47@comcast.net>
25) [145392] Re: Don't use water soluable flux solder? Why?
by "Rod N0RC" <rod@n0rc.us>
26) [145393] RMFF Logs
by Kenneth Hoglund <hoglund@wfu.edu>
27) [145394] Re: Who is TI5/KI7VR???
by Frank Brickley <brickley@pobox.com>
28) [145395] Re: ot-coax
by "Francis Callahan" <colcal@srv.net>
29) [145396] Re: Who is TI5/KI7VR???
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
30) [145397] Rock-Mite RMK Keyer Menus Quick Ref
by Chuck Carpenter <w5usj@9plus.net>
31) [145398] Re: Set your PC clock - just for the rest of us
by t.wells@blueyonder.co.uk
32) [145399] [CONTEST] Fall NJQRP Homebrewer Sprint Awards Online
by "Ken Newman" <N2CQ@Dandy.Net>
33) [145400] Copy of SW20+ Schematic
by k4vib@att.net
34) [145401] Re: Crystal Filter Help
by W2EB <w2eb@twcnny.rr.com>
35) [145402] FOX:N0TK this Thursday
by N0tk@aol.com
36) [145403] FSQRP Wednesday Warble
by "David Bixler" <qrp@netins.net>
37) [145404] Re: Set your PC clock - just for the rest of us (And Win XP Users!)
by Steve.Lawrence@ITWFEG.COM
38) [145405] Re: Elecraft reflector down?
by W2AGN <w2agn@w2agn.net>
39) [145406] Power Output Confusion
by "Dennis Payton" <dpayton@fwi.com>
40) [145407] Xformer on Front End of SW20+
by k4vib@att.net
41) [145408] Re: NEW ADI DDS chips...
by "Torell Kent-P12255" <Kent.Torell@gd-decisionsystems.com>
42) [145409] Monolithic Crystal Filters
by "Brad Hernlem" <alihernlem@hotmail.com>

- 43) [145410] Re: High Speed CW [long]
by palmer_t <ThomasPalmer@colliergov.net>
- 44) [145411] Palm Vx Problem
by wkhibbert@juno.com
- 45) [145412] 38S schematic
by "Alex Wiecek" <awiecek@hotmail.com>
- 46) [145413] Extech Mini Multiscope II
by "Jim Stamper" <jstamper@shentel.net>
- 47) [145414] RE: Power Output Confusion
by "R. Neil Federspiel" <neil.federspiel@RNFassociates.com>
- 48) [145415] Re: Power Output Confusion
by "Russ Hines" <wb8zcc@one.net>
- 49) [145416] Re: Set your PC clock - just for the rest of us
by Ray Sills <raysills@1stconnect.com>
- 50) [145417] Code Class software
by "Karl F. Larsen" <k5di@zianet.com>
- 51) [145418] HB - tube receiver
by Harry Hurst <wa3ptg@comcast.net>
- 52) [145419] Re: Code Class software
by W2AGN <w2agn@w2agn.net>
- 53) [145420] Re: LAX Area QRPers (Commerce, CA)
by Nelson Winter <thenels@go.com>
- 54) [145421] FS: LDG Z-11 antenna tuner
by "Steve Zumbrun" <zumbruns@evertek.net>
- 55) [145422] Got the PalmVx going, How About Logging Software?
by wkhibbert@juno.com
- 56) [145423] Bluetooth module?
by "Mike T. Miller" <dude@sun.com>
- 57) [145424] Rock Mite DX
by "Jim Stamper" <jstamper@shentel.net>
- 58) [145425] Re: Power Output Confusion
by "George, W5YR" <w5yr@att.net>
- 59) [145426] Re: LAX Area QRPers (Commerce, CA)
by Ray Sills <raysills@1stconnect.com>
- 60) [145427] Wtd: QRP Nets
by "Rob Matherly" <w0jrm@arrl.net>
- 61) [145428] RE: Power Output Confusion
by Nick Kennedy <nkennedy@tcainternet.com>
- 62) [145429] High Speed CW
by "Johan Smet" <johan_smet@pandora.be>
- 63) [145430] MV-1662 varactor diode characteristics
by john <johnmb@nc.rr.com>
- 64) [145431] RE: High Speed CW [long]
by Nick Kennedy <nkennedy@tcainternet.com>
- 65) [145432] Rock Mite DX - K4THL, Alaska QRP and a possible Alaska Mite
Marathon.
by "Jim Larsen, AL7FS" <JimLarsen2002@alaska.net>

Date: Tue, 28 Jan 2003 12:25:49 -0700
From: "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145368] Re: Solar Condition data
Message-ID: <006501c2c703\$34ef1bf0\$023d1dac@waynecomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

CHU is at 7.335.

Wayne

Wayne Leman
<http://www.qsl.net/kl7fdq>

> Karl
> Look up CHU, Canada's WWV.
> I recall they have a freq just above 40m.
> That might serve in part for your needs.
> 73, Bob N6WG
>

Date: Tue, 28 Jan 2003 14:27:18 -0500
From: "Royce Simmons" <w2rnb@prodigy.net>
To: <qrp-1@Lehigh.EDU>
Subject: [145369] Matching Section
Message-ID: <021b01c2c703\$46674ec0\$9d093a41@roycesim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings All,

Many moons ago there was a short blurb in 73 about someone selling a matching section to match 50 ohm coax to 75 ohm cable TV coax. You can pick up used cable from the local cable company cheap and this guy had built a matching section that would fit the 75 ohm cable. Of course I lost the name and address.

Anyone know of something like this?

Royce

Date: Tue, 28 Jan 2003 14:36:48 -0500
From: Jerry Lofstead <w3cde@bellsouth.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145370] Re: ot-coax
Message-ID: <3E36DBD0.27D2948E@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

According to :RS... the M is for miniature i.e. miniature
RG-8.. As we all know RS does their own thing.
My personal luck with their Co-AX has been less than
stellar. After about 5 years, loss went up and it got gooey
between the jacket and the shield braid. Obviously, I have
not made any repurchase of it.

YMMV

Jerry
W3CDE
Atlanta, GA

Mike Yetsko wrote:

>
> > Anyone using the radio shack rg-8m coax? I guess this is the replacement
> for
> > the old rg8x (which I need to replace after many years of use).
> > w5w1b
>
> I think the 'M' has more center conductors but of smaller gauge to make
> it more 'flexible'. And I think the 'M' has a slightly lower breakdown
> voltage.
>
> I may be totally wrong on the above.
>
> But for QRP it's probably fine.
>

> Mike

Date: Tue, 28 Jan 2003 19:16:01 +0000
From: "M. J. Powell" <mike@pickmere.demon.co.uk>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [145371] Re: High speed CW
Message-ID: <bgJdhhAxbtN+EwZJ@pickmere.demon.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

In message <007801c2c6f6\$fb969740\$0201a8c0@fairviewtx.net>, "George, W5YR" <w5yr@att.net> writes
>Jim, McElroy's record was for receiving - something in excess of 70
>wpm as I recall, but not sure. It is said that he continued typing for
>nearly 20 seconds after the code tape had stopped. Now that is
>"copying behind!"

I have a book on the old cable telegraphists in the US. They didn't have buzzers, only the clicks of the relay. One telegraphist used to come in, sit down, light his cigarette, look for a pencil, sharpen it etc, all while his messages were coming in. Then he would start writing. It would take him about 5 minutes to catch up. He was copying in his head commercial messages about 5 to 10 messages behind.

Mike
--
M.J.Powell

Date: Tue, 28 Jan 2003 13:49:13 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [145372] QQ
Message-ID: <002501c2c70e\$b8d91820\$fbca1341@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Latest edition of QQ arrived today and again a great issue. My thanks to all who give up so much of thier valuavle time to put this mag out. I especially get a kick out of Joel KE1LA column. Brings back memories of when I lived in

York Beach Maine in the early 1960's and was trying to get a wire antenna up in the ktkree in front of the house. Had a wrench tied to one end of the wire and unknown to me was standing on the wire. Well the wrench got about 5 feet up and came back like a shot broke my nose. Drs couldn't believe how I did it 72 Cal KF7ET

Date: Tue, 28 Jan 2003 20:50:52 +0000
From: Harry Hurst <wa3ptg@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145373] Re: ot-coax
Message-ID: <001301c2c70e\$f3ecd7d0\$0200a8c0@daisy>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I've never heard anyone sing the praises of Rat Shack coax.

By the way, coax isn't Off Topic.

Hap, WA3PTG
Wilmington DE

----- Original Message -----
From: "Timothy-Allen Albertson-KG6IRH" <kg6irh@pacbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, January 28, 2003 17:16
Subject: Re: ot-coax

> I am not certain but this is a universal refrain Ive heard about Rat Shack
> cable. 73 de tim kg6irh.

> ----- Original Message -----
> From: "Pete Burbank" <plburbank@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, January 28, 2003 7:47 AM
> Subject: Re: ot-coax

>

>

> > Bill,
> > What goes wrong with the RS coax?
> > Pete
> > NV4V

> >

> >

> > At 07:10 AM 1/28/2003, Bill ROWLETT wrote:
> > > You can use the RS coax if you enjoy replacing the
> > > stuff every couple of years. Get the good stuff
> > > instead, cost less in the long run.

Date: Tue, 28 Jan 2003 16:06:33 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc4atu@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [145374] Re: ot-coax
Message-ID: <006301c2c711\$28ea2440\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> You can use the RS coax if you enjoy replacing the
> stuff every couple of years. Get the good stuff
> instead, cost less in the long run.
>
> 73, Bill kc4atu

It might be that the 'more flexible' coax tends to make people forget
about minimum radius issues. With time, that can lead to conductor
migration and shorted cable.

Yes, I've had RS cable 'short out' on me. But it's always been where
I had a sharp bend. I wonder if it's because of the flexibility I would
tend to try to put too short a radius bend in the stuff. And maybe
also contributory is the 'softer' or, as some call it, 'mushier'
dielectric?

Mike

Date: Tue, 28 Jan 2003 16:09:11 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <robink@us.ibm.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [145375] Re: High speed CW
Message-ID: <009401c2c711\$91c56740\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Just my 2 cents worth but when I was flying in Vietnam doing reconn
mission
> as a radio operator we had a guy who was the Pacific Air Force champion
> flying with us who could copy at 75 WPM. The only name I ever knew him
by
> was "Whiskey Will" - if you knew him you would have known why he had
that
> name.
>
> Regards,
>
> Robin J. Kidd
> KG4RSQ

Hmm, and he could only operate at that speed when he was living up to
that name? (Remember Cat Balou?)

Then again, maybe he could only operate at that speed when the
observers were participating in helping him live up to that name?

Mike

Date: Tue, 28 Jan 2003 15:45:04 -0600
From: "Jim NOUR" <nOur@attbi.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [145376] Contest: MN QSO Party QRP "Gopher Hunt" this weekend
Message-ID: <000c01c2c716\$849ec200\$6a202942@ce1.client2.attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is my effort to generate some interest in the MN QSO Party coming up
this weekend. There is a QRP category in this one. As the "Cheeseheads"
from WI did a few years ago, I would like to piggyback a little competition
of our own, with the winner receiving a special plaque which anyone would be
happy to hang on the wall of your shack. All I will tell you about the
plaque is that it may involve a MN gopher pelt.

All you have to do is work as many of us this Saturday Feb. 1st, 1400Z to
2400Z. Get all the details at the site below;

<http://www.w0aa.org/>

To enter just send you log in to MWA, and the winner will be the highest QRP category score posted in the official MWA results. There is also a club competition, so list yourself as a member of "QRP-L" and maybe we can turn some QRO heads.

We may also come up with a second, and third place prize. So get on, send in a log, and who knows what you may win! The prizes are for non MN stations only, due to restrictions on the mailing of rodent parts.

72s es GL

Jim NOUR

Date: Tue, 28 Jan 2003 14:40:24 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: plburbank@earthlink.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145377] Re: ot-coax
Message-ID: <20030128224024.75260.qmail@web14201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Outer jacket does not hold up and the losses are higher overall. Just not made that well in most cases. They do from time to time have a fairly good cable, but just not enough of the time for me to chance it. Your milage may vary, but.

73, Bill kc4atu

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Tue, 28 Jan 2003 17:41:11 -0500 (EST)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: KB0VCC <kb0vcc@adelphia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145378] Re: High speed CW

Message-ID: <20030128173436.F89635-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Jan 2003, KB0VCC wrote:

> paddles, it's a great way to verify your spacing. That is, if you
> strive to send machine-quality CW by hand. "Banana Boat Swing"
> subscribers excepted, of course. They can all admire the sending of
> the forementioned "Mr. Chicken."

I don't think all folks who either send with a swing and/or have a fond
spot for it appreciate bad code.

<http://fohnix.metronet.com/~nmcewen/swing.html>
<http://www.geocities.com/gm0rse/n0hff/c15.htm>

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Tue, 28 Jan 2003 17:03:39 -0600
From: "Pat Whelton" <pwhelton@earthlink.net>
To: <rattray@gpfn.sk.ca>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145379] Re: hmmm???
Message-ID: <01ab01c2c721\$7f4a0200\$8901a8c0@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce. Try this link <http://www.norcalqrp.com/> . Good luck.

Pat - KZ5J

----- Original Message -----

From: "Bruce Rattray" <rattray@gpfn.sk.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, January 27, 2003 8:03 PM
Subject: hmmm???

>
> I've been trying to get into the NorCal QRP Group web page but no luck
> after trying a few things plus an internet search...anyone have the
> correct url please?....thank you...
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
>
>

Date: Tue, 28 Jan 2003 15:16:32 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [145380] High Speed CW [long]
Message-ID: <5.1.1.6.0.20030128143636.00b33b00@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

This topic comes up almost every year and memories seem to
failing or people have lost their books. :-)

Ted R. McElroy on July 2nd, 1939 successfully RECEIVED Morse code
at a speed of 75.2 words per minute. There are conflicting reports of just
how far behind he was copying.... :-) Doesn't matter as there is no
measurement
for that at the present time unless one uses a computer to do it.

The world record for sending with a straight key is 35WPM set on November 9th,
1942 by Harry A. Turner, W9YZE, at Comp Crowder, MO US Army Signal Corp.

Both these records were removed from the Guinness Book of World Records over
5 or 6 years ago that I remember after I did 78.0WPM in Dallas TX for them
but the
paperwork got screwed up and I have to redo it sometime before I lose the
ability to do so. I think the removal from the book had something to do with
this and the fact that there wasn't any interest any more.

At the present time I hold the over 45 years of age record for RUFZ.

<http://www.wk3bg.se/contest/rufz.htm>

and look under RUFZ-Toplist link at the top of the page.

This I did at Dayton many years ago and I thank Randy, AA2U, a famous QRP contestor and Hall-of-Fame'r for leading me to the program along with PED. I haven't practiced this program in many years due to lack of a DOS based system to run the program on. It does not work under Windows-XX.

FYI my speed was 108WPM for calls. The record for the younger >20yr is 131WPM for calls only. Please note that at this speed you miss 50% of the calls or more. You get one right at that speed. :-) ;-) There are over some 10,000 calls in the data base of active contesters and DXers.

What some one needs to do is form a group to set up RUFZ at the QRP gatherings and let people try it out. I can tell you when you first try this program you WILL want to give up Morse all together. It is a humbling program and guaranteed to give you nightmares..... You can download the program from the above URL. And no matter what your speed you should submit your score. (see below) And if you practice at least an hour per day you will improve significantly.

It is interesting to note the timing of this thread as I got email today from Dave Sumner, K1ZZ, of the ARRL about the Minsk High Speed CW International contest in April. Barry Kutner, W2UP, and I were to go to this meeting --- both at our own expense. But Barry can't make it this year and neither can I. I have won \$2K, \$5K, and \$10K entries into three events at the World Series of Poker in Las Vegas this year (I finished 42nd last year) and can't give up the chance at a lot of money this year. :-) ;-) So there will most likely not be a US team and to the best of my knowledge there never has been for this event. The USofA gave up the mode. :-)

If you look at the scores for RUFZ, you can't help but notice the huge number of DX calls. There are a large number of DX clubs devoted to high speed Morse. We have the FISTS organization in this country but they have no program devoted to higher speeds. If you want to hear high speeds on the air you need to listen around 5KHz up from the Extra Class band partition where you can catch guys/girls at 65+WPM. So I recommend that you get the program and submit your score and then improve on it as often as you can.

And also try for Code Proficiency Certificates from the ARRL in their monthly on the air tests. See their home page for details.

<http://www.arrl.org/>

FYI

dit dit

Chuck Adams, K7Q0

<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Tue, 28 Jan 2003 18:23:58 -0500
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [145381] Who is TI5/KI7VR???
Message-ID: <000501c2c724\$56110020\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

I worked this station split in a pile-up (5W/EDZ) and am wondering if this is a DX'pedition or what??? What is the country??? The TI5 indicates something related to Costa Rica...I think.

Have heard him on other bands causing quite a pile-up.

Thanks for any info y'all can provide.

73, Joe W2KJ

Date: Tue, 28 Jan 2003 16:05:38 -0800
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [145382] Re: What I Difference a Bead Balun Makes!
Message-ID: <000301c2c72a\$286ed060\$54a32640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The last line in your post tells me you're kind of, well , strange. My kind of humor and you didn't have to attack anyone to do it. Keep up the good work. 73. Dave K2ZU

Date: Tue, 28 Jan 2003 19:20:40 -0500
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145383] Callsign Change
Message-ID: <003801c2c72c\$5d0062b0\$bbc859cf@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All -

My callsign has changed. I am no longer K8HJ. I'm NA8M.

I chose K8HJ cuz it was my initials, backwards. Not a good reason.

But after holding it for 2 years, I found on CW it was interpreted as K8SJ more often than not. K8DJ was also a popular interpretation.

DX - K8SJ 599 BK
Me - TU 599 de K8 H J
DX - K8SJ?
Me - K 8 dit dit dit dit J
Dx - K8SJ TU QRZ

Not one to be bound by a call, I bailed on old HJ. Now I have to figure out what to do to get my Fox Hunt stuff under the new call.

Anyway, if anyone cared I'm now NA8M.

73 de NA8M ex: K8HJ, AA8FP, KD8QL, WB8CIY, WA8EIIY, WA2VBF, K3IVT, KN3IVT, KN9QMQ
but still John....

Date: Tue, 28 Jan 2003 18:36:53 -0600
From: "Byron Tatum" <bjtatum@ev1.net>
To: <qrp-1@Lehigh.EDU>
Subject: [145384] Crystal Filter Help
Message-ID: <001501c2c72e\$86961140\$47e9dacf@tatum001>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello-

I have unsoldered and removed the cover from a McCoy crystal filter, this one is from a VHF AM receiver, and it was specified as 25 Khz. wide around 3 dB. points and 48 Khz. approx. at 60 dB. points. Filter center freq. is 20.600 Mhz.

There are 5 crystal units in series in this filter. I hate to try and actually remove the crystal units as they are soldered in holder strip, but these HC-18/U crystals have a third lead, coming out between the 2 normal leads, that is grounded. I assume this is just a grounding lead to ground crystal case??

Anyway, the crystals are simply series connected and have small "gimmick" capacitors between the series connections and ground. There are objects at each end of the filter, between the filter and the terminals, that are sealed up in globs of cement, that I assume are matching transformers or the like. The filter is spec'd at 50 ohms in/out.

What I would like to do is to tighten up this filter, say around 5 Khz. at the nose, for VHF AM work on 144 Mhz. As I understand it, I need to increase the values of these shunt capacitors to decrease the filter bandwidth. I was curious if anyone had any ideas as to the capacitor values to start out with? There are 4 of the gimmick caps { between each crystal junction and ground} total , and a trimmer cap on each end of the crystal string { to ground}.

Anyway, I am going to play around with some cap values and try to evaluate the receiver bandwidth.

Thanks, Byron.

Date: Tue, 28 Jan 2003 17:15:19 -0800

From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [145385] NEW ADI DDS chips...
Message-ID: <002801c2c733\$e42b55e0\$fbccb3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Don't know if these are the new DDS chips that Leon was talking about,
but they look very promising! Check them out here:

<http://www.analog.com/Analog_Root/sitePage/mainSectionNewContent/0,2146,level4%253D%25252D1%2526level1%253D277%2526level2%253D173%2526level3%253D187,00.html>

I read up on them a bit today and the one that interrests me right now is the AD9951. It's features include a 14 bit DAC (as compared to 10 bit DACs in the older chips), fairly low power consumption, Low supply voltage (1.8 VDC), and capable of frequencies up to 160 MHz! The 14 bit DAC should help out the in-band spur problem that is associated with DDS technology. Don't think they'll be available for a time yet though. Looks impressive.

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Tue, 28 Jan 2003 20:16:54 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>,
 noGA reflector <nogaqrp@mailman.qth.net>
Subject: [145386] OT: Deleted "Email Proxy"
Message-ID: <5.2.0.9.2.20030128201307.01e8fc80@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I just received a message (not from either list addressed here) that had a 'deleted message' that's new to me-so be sure your Norton/whatever is UP-TO-DATE!

The message was: "Symantec Email Proxy deleted the following email

message:" etc. I have never seen it delete a message or attachment using those words: "email proxy".

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 28 Jan 2003 20:27:03 -0500
From: Pete Burbank <plburbank@earthlink.net>
To: Bill ROWLETT <kc4atu@yahoo.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [145387] Re: ot-coax
Message-ID: <5.2.0.9.0.20030128201716.00a20cb0@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

OK,
Thanks for the input from all. Can't remember where I read it but initial tests said it was good stuff
but guess that was not a longevity test. I have been trying to get on 6 meters and have built 2 antennas,
neither of which worked well and that coax may very well be the problem. As soon as the snow melts on the roof I need to check that coax.
73 to all
Pete NV4V
Ky

At 05:40 PM 1/28/2003, Bill ROWLETT wrote:
>Outer jacket does not hold up and the losses are
>higher overall. Just not made that well in most cases.
>They do from time to time have a fairly good cable,

>but just not enough of the time for me to chance it.
>Your milage may vary, but.
>
>73, Bill kc4atu
>
>
>-----
>Do you Yahoo!?
>Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
><http://mailplus.yahoo.com>

Date: Tue, 28 Jan 2003 19:40:52 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [145388] FOX: AC7A Last call for log 01-23-03 Corrections
Message-ID: <002901c2c73f\$d72fb410\$0a0110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Hounds,

I am giving you hounds one last chance to correct my 01-23-03 FOX hunt log. Four Corrections have been received and made to date; however, this is your last chance before I send out the final log. Corrections were made to the entries at: 0230, 0259, 0320, and 0354 UTC.

By the way, if you were wondering what I was using the night of the hunt: a Ten Tec Omni-V at 5W, and a 5/16-wavelength vertical. I gave the K2 a rest.

Best regards, Thomas - AC7A (Tucson)

TIME CALL RST-S RST-R SPC NAME PWR(W)

0200 WA9TZE 559 559 WI JIM 5
0201 KG6CYN 559 599 CA TREV 5
0202 N4BP 559 559 FL BOB 5
0203 KR5C 559 559 TX GEORGE 5
0204 N4ROA 559 559 VA DAN 5

0205 K5FSE 559 559 GA JACK 5
0205 K5DW 559 559 TX DON 5
0206 NK6A 579 579 CA DON 5

0207 N0UR 559 579 MN JIM 5
0208 AC5JH 559 559 OK TOM 5

0209 W0CH 559 559 MO DAVE 5
0209 K6MMC 579 559 CA MIKE 5
0211 N3BJ 559 559 VA ALAN 5
0211 KQ5U 559 559 TX TERRY 5
0212 VE6EX 559 559 AB DAN 5

0213 K3PH 559 559 PA BOB 5
0214 VE6JAZ 559 559 AB ROB 5
0214 W5YR 579 559 TX GEORGE 5
0215 WD9F 559 559 IL WOODY 5
0216 KI0II 339 559 CO RON 1

0217 K0FRP 559 599 CO AL 5
0218 K5JHP 559 559 TX BILL 5
0218 WW7Y 559 559 UT STEVE 5
0220 K0PC 559 559 MN PAT 5
0220 KK5NA 559 559 TX JOE 5

0221 KK5LD 559 559 TX DON 5
0222 K7TQ 559 559 ID RANDY 5
0222 N0RC 559 559 CO ROD 5
0223 N9AW 559 559 WI JERRY 5
0224 AG0T 559 559 ND TODD 4

0225 K4GT 559 559 GA JIM 5
0225 K5AIC 559 559 MS HERB 5
0227 K0EVZ 559 559 ND DOC 5
0228 NK9G 579 559 WI RICK 5
0229 KR0U 559 559 CO TIM 5

0230 NM5M 559 559 TX ERIC 5
0231 WE9K 559 559 WI GLENN 5
0232 W5TB 559 559 TX DOC 5
0233 KB7WW 559 559 OR ART 5
0234 AE4Y 559 559 GA KENT 5

0235 W5USJ 599 559 TX CHUCK 5
0236 W9XU 559 559 WI LON 5
0237 N5ZE 559 559 TX LEW 5
0238 K5SR 559 559 TX DALE 5
0239 N0SG 559 559 CO JASON 5

0239 KE6RS 559 559 CA RON 5
0240 N1TP 559 559 FL TOM 5
0241 K3IU 559 559 RI KEN 5

0242 AF4LQ 559 559 KY MIKE 5
0243 N5WL 339 559 OK BART 5

0245 AA50 559 559 LA VERN 5
0245 K4BYF 559 559 FL JACK 3
0246 K50T 559 559 WI LARRY 3
0247 K2ZN 559 559 NY AL 5
0248 K3ESE 339 559 MD LLOYD 5

0249 K5PSH 559 559 TX JERRY 5
0250 KD5CMN 559 559 TX MIKE 5
0250 K40AH 559 559 GA GAREY 5
0251 N9NE 579 579 WI TODD 5
0253 NN5E 559 559 TX VERN 5

0253 KL7FDQ 599 589 MT WAYNE 5
0255 N5YFC 559 559 LA WAYNE 5
0256 KC2CK 559 559 NY DON 5
0257 K6VNX 599 579 CA ARLEN 5
0258 K2PQ 579 559 NJ FRANK 5

0259 KD5UWV 559 559 TX NORTEX 5
0300 W8SFF 559 559 MI STEVE 5
0301 W8YMO 559 559 OH HARRY 5
0302 KJ6CA 559 579 CA BOB 5
0305 VA6RF 339 539 AB EARL 5

0307 K5EOA 559 559 WA WAYNE 5
0308 W2AGN 559 559 NJ JOHN 5
0311 WU9F 559 559 WI TERRY 5
0312 K0MAX 559 559 MN MAX 5
0313 W4NJ 559 559 CA CHARLIE 5

0314 W0UFO 559 559 MN MERT 5
0315 NK0E 339 559 CO DAVE 5
0317 W2RBA 339 449 NY JOE 5
0318 NG7Z 559 559 WA PAUL 5
0320 N5JIM 559 559 TX BRUCE 5

0322 NV4V 559 559 KY PETE 5
0324 NB7F 559 559 OR LEE 5
0325 KG4LDY 339 559 VA JIM 5
0327 W3DCG 559 339 GA DARIN 5
0330 KB9YIG 559 449 IN TONY 500mW

0331 K9DC 559 559 IN DAVE 5
0332 W9HL 559 559 IL RANDY 5
0333 K8HJ 559 559 MI JOHN 5

0338 W2BXN 339 339 FL FRED 5
0340 NQWX 559 559 MN MIKE 5

0342 N1FN 559 559 CO ET 5
0343 KI0RB 559 559 CO MIKE 5
0344 K5ZTY 559 559 TX BILL 5
0345 W4YN 559 599 NC TIM 5
0349 KV2X 339 559 NY TOM 5

0350 WA7LNW 559 579 NM JACK 5
0354 KC1FB 339 559 CT JIM 500mW
0357 WA8BXN 229 559 OH MIKE 5
0400 N2WW FOX
0400 AC7A FOX

Date: Tue, 28 Jan 2003 22:09:54 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [145389] DSWTUN03, rel 0.85...now includes four port base-address
selections...
Message-ID: <BAY1-F150FhGDxFj00y00001921@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Just shoved rel. 0.85 over to the website.
Please note:
Beginning with rel. 0.85, once the program has started, the first thing one
must do is to highlight the appropriate port base-address and THEN click on
the ham band of interest. Enjoy :)

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Tue, 28 Jan 2003 20:24:30 -0700
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [145390] Re: Set your PC clock - just for the rest of us
Message-ID: <5.1.1.6.2.20030128194413.00a021c0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For those us who can't run Visual Basic, NIST has the software you need:

<http://www.boulder.nist.gov/timefreq/service/its.htm> has executables for Mac or Windows (16 bit for Windows 3.1/9x and 32 bit for newer versions).

<ftp://time-b.nist.gov/pub/daytime/> has source code and "make" files for most operating systems with C language support.

72,

--Tim (KR0U)

>"w8diz" <w8diz@fpqrp.com>:
>...
>2. You will need Visual Basic Runtime v6.0 "Msvbvm60.dll"

Date: Tue, 28 Jan 2003 22:07:31 -0600
From: Randy <wrmoore47@comcast.net>
To: qrp-1@Lehigh.EDU
Subject: [145391] Elecraft reflector down?
Message-ID: <000501c2c74b\$f2a528e0\$f3b23e44@aeronca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Anybody gotten any Elecraft reflector mail today? I haven't seen a thing.

73,
KS4L
Randy

Huntsville, AL

Date: Tue, 28 Jan 2003 21:14:18 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"Ed Tanton" <n4xy@earthlink.net>
Subject: [145392] Re: Don't use water soluble flux solder? Why?
Message-ID: <014d01c2c74c\$e53c2040\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Ed,

----- Original Message -----
From: "Ed Tanton" <n4xy@earthlink.net>
To: <rod@n0rc.us>; "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
Sent: Tuesday, January 28, 2003 11:14 AM
Subject: Re: Don't use water soluble flux solder? Why?

> But why Rod?

Well gee Ed, because! :)

> It isn't better than rosin. You manage to miss some and it's
> very liable to be a problem. Not to mention the very possibility of
> damaging something with the heat gun. Admittedly uncleaned rosin flux
is
> unsightly, but all you need do is a mild cleaning with alcohol if that
> bothers you (as admittedly it does me)-and except for REALLY high
impedance
> circuits, it's just not going to be a problem.

I didn't say it was better, I didn't defend it's use, nor did I suggest
others use it. I just stated what I do. Like you I don't like the
appearance of flux on boards. Removing conventional flux with alcohol is
tedious, scrubbing washing and rinsing with it (in the manner I
described soap and water use) to do a thorough job, is difficult/costly.
I can prepare a lot more dish soap-solution per dollar than I can buy
alcohol. :-) Yes it is a risk most things in life are, I'm not risk
averse. But I do try to balance risk and reward. My reward is a clean

commercial looking assembly, the risk is the material I choose, and the methods I use. I've had pretty good luck so far. Also I don't use water soluble flux on everything, cases made from PCB material mostly, PCBs that can stand a good soaking, never to tin wire. Sometimes I'll use Water soluble flux and rosin core together on the same project. Water soluble flux in the early stages of assembly when water wash is effective and tolerated by the components, resistors, ceramic caps...etc. Then I switch to rosin core, the very thin stuff with small amounts of rosin, to finish up when water wash may be inappropriate.

73, Rod N0RC

(BTW: I don't use a heat gun, I said blow dryer, implying hair dryer, and to be more clear I seldom use it, when I do it is on low, and I use it sparingly to reach areas otherwise not accessible)

Date: Tue, 28 Jan 2003 23:50:52 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145393] RMFF Logs
Message-ID: <3E375DAC.AAB930FC@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang--

A gentle reminder: logs for the Rock Mite Flea Fight are due in by Feb. 8th, 2003.

We've already received a record number of logs but we don't want anyone to be left out.

Please send them directly to me c/o the address above. Hey--we have Moxie to give out!

73
Ken KG4FGC

Date: Wed, 29 Jan 2003 00:45:07 -0500
From: Frank Brickle <brickle@pobox.com>

To: w2kj@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [145394] Re: Who is TI5/KI7VR???
Message-ID: <3E376A63.1020502@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

> I worked this station split in a pile-up (5W/EDZ) and am
> wondering if this is a DX'pedition or what??? What is the
> country??? The TI5 indicates something related to Costa
> Rica...I think.

A nice guy named Bruce from Vancouver, WA who's down soaking
up sun in Costa Rica and working a little DX. Nothing
unusual in that.

73
Frank
AB2KT

Date: Wed, 29 Jan 2003 03:24:37 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <wa3ptg@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145395] Re: ot-coax
Message-ID: <001901c2c780\$a180a860\$56ca1341@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was working for my elmer in the 2 way radio business when the repeater on
a ski area went down on a sunday and we hadn't recieved our shipment of
Belden coax so had to use rat shack stuff in a hurry and we ended up
replacing it in 3 months at the top of the mountain It just dosen't hold up
especiallly in gad weather conditions 72 Cal KF7ET

----- Original Message -----

From: "Harry Hurst" <wa3ptg@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, January 28, 2003 1:50 PM
Subject: Re: ot-coax

> I've never heard anyone sing the praises of Rat Shack coax.
>
> By the way, coax isn't Off Topic.
>
>
> Hap, WA3PTG
> Wilmington DE
>
> ----- Original Message -----
> From: "Timothy-Allen Albertson-KG6IRH" <kg6irh@pacbell.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, January 28, 2003 17:16
> Subject: Re: ot-coax
>
>
> > I am not certain but this is a universal refrain I've heard about Rat Shack
> > cable. 73 de tim kg6irh.
> > ----- Original Message -----
> > From: "Pete Burbank" <plburbank@earthlink.net>
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > Sent: Tuesday, January 28, 2003 7:47 AM
> > Subject: Re: ot-coax
> >
> >
> > > Bill,
> > > What goes wrong with the RS coax?
> > > Pete
> > > NV4V
> > >
> > >
> > > At 07:10 AM 1/28/2003, Bill ROWLETT wrote:
> > > > You can use the RS coax if you enjoy replacing the
> > > > stuff every couple of years. Get the good stuff
> > > > instead, cost less in the long run.
>

Date: Wed, 29 Jan 2003 03:27:17 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: <w2kj@bellsouth.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145396] Re: Who is TI5/KI7VR???
Message-ID: <007501c2c789\$644e5f60\$b93ecd18@charterpipeline.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

TI is Costa Rica ...

And here's what QRZ.Com says about KI7VR including e-mail address:

Callsign: KI7VR Class: Extra Codes: HAI USA
Name: BRUCE I FLEMING
Addr1: 7401 NW 16TH AVE
Addr2: VANCOUVER, WA 98665
Country: USA
Effective: 07 Jul 1994 Expires: 01 Feb 2004
FCC: ULS Listing
Lookups: 941
Update / Renew License

Coordinates: 45 41' 30'' N, 122 39' 46'' W
Coordinates: 45.6917 -122.6628
County: Clark
Grid: CN85qq
Area Code: 360
GMT Offset: -8
Time Zone: Pacific
Has DST?: Y
Birthday: 30 Jan 1941
Email: Fleming@Pacifier.com
QRZ Updated: 2002-04-22 12:20:56

The fact that he's had more than 900 "lookups" suggests he's been very active! You might try his e-mail, or possibly a QSL to home address.

Good luck, 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Wed, 29 Jan 2003 05:30:00 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [145397] Rock-Mite RMK Keyer Menus Quick Ref
Message-ID: <3.0.2.32.20030129053000.007e5bc0@mail.9plus.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

R-Mers,

I did this for practice and my own amazement but thought others might like a copy too. It's created in FrameMaker and saved in .DOC and .PDF formats too.

If you'd like a copy of either the DOC or PDF format or both I'll send them as email attachments. The file sizes are 14 and 5 k respectively.

The PDF version can also be found on the Jackson Harbor website on the RMK page. <http://jacksonharbor.home.att.net/rmk.htm>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
Rock-Mites on 80, 40, 30, 20 and 15 Meters
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Wed, 29 Jan 2003 11:34:02 -0000
From: t.wells@blueyonder.co.uk
To: <tcgroat@earthlink.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145398] Re: Set your PC clock - just for the rest of us
Message-ID: <00dd01c2c78a\$672f42c0\$0d02a8c0@BART>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tim wrote:

> For those us who can't run Visual Basic, NIST has the software you need:
>
> <http://www.boulder.nist.gov/timefreq/service/its.htm> has executables for
> Mac or Windows (16 bit for Windows 3.1/9x and 32 bit for newer versions).
>

These tools, and all the other similar tools are for users on DOS,
Win95/98/ME.

Users with Linux and NT/Win2000/WinXP can set the time via the Internet
using tools intrinsic to the OS.

For those with Win2000/XP see:

<http://www.microsoft.com/windows2000/docs/wintimeserv.doc>

For those with NT you can get the NT utility timeserv.exe from the resource kit. If you need more info for NT go to <http://www.niceties.com/TimeServ.html>. If you havn't got the resource kit, then use Tim's suggestion.

For a handy list of timeservers:

<http://support.microsoft.com/default.aspx?scid=kb;en-us;262680>

For linux users, there is usually a time configuration tool where you just enter the NTP server name/IP Address

For more info, just mail me.

Regards,

Tony
M3CJF
G7IGG

Date: Wed, 29 Jan 2003 06:56:22 -0500
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "W3BG" <W3BG@arrl.net>, "Norm Into" <normk8ni@neo.rr.com>,
"N4SO" <N4SO@Juno.com>, "List Elecraft" <Elecraft@mailman.qth.net>,
Cc: "Walt Amos" <k8cv@netzero.net>,
"Skip Cubbedge" <scubbedge@digitalglobe.com>,
Subject: [145399] [CONTEST] Fall NJQRP Homebrewer Sprint Awards Online
Message-ID: <033101c2c78d\$77c79580\$a89efa42@D910G521>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

The Fall NJQRP Homebrewer Sprint results, prizes and online certificates are available at:
<http://www.njqrp.org/qhbsprint/Fall2002/Fall2002QHBSprintresults.html>

Those who sent an entry will be able to download their certificate to print and prizes will be sent to the winners. Thanks to all who joined the Fall NJQRP Homebrewer Sprint and I hope to see you on the Spring Homebrewer (March 24 0000z).

PS: Many thanks to QHB editor N2APB for presentation of the results

and for creation of the online certificates! We think all

participants will enjoy theirs in proud recollection of this season's QHB Sprint.

72,

Ken Newman - N2CQ
Woodbury, NJ 08096
N2CQ@ARRL.NET

Date: Wed, 29 Jan 2003 12:04:41 +0000
From: k4vib@att.net
To: qrp-l@lehigh.edu
Subject: [145400] Copy of SW20+ Schematic
Message-ID: <200301291204.h0TC414s010396@rain.CC.Lehigh.EDU>

Does anyone have a copy of the SW20+ they they could send?

Thanks,

Bill
K4VIB

Date: Wed, 29 Jan 2003 07:50:35 -0600
From: W2EB <w2eb@twcnny.rr.com>
To: bjtatum@ev1.net, qrp-l@lehigh.edu
Subject: [145401] Re: Crystal Filter Help
Message-ID: <3E37DC2B.58D02803@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Byron,

These 5 devices actually sound like monolithic crystal filters rather than individual crystals. These devices typically come as multiple poles in a single package. Go to:
<http://www.ecsxtal.com/pdf/mono.pdf>

This page is info from ECS Crystal, a monolithic crystal filter manufacturer that describes their devices. They have several bandwidths

available in numbers of poles from 2 to 10.

I'm not sure if you could tighten the B/W yourself using external capacitors, but there's probably little harm in trying.

GL & 73,

Bill
W2EB

Byron Tatum wrote:

> I have unsoldered and removed the cover from a McCoy crystal filter,
> this one is from a VHF AM receiver,There are >5
crystal units in series in this filter these HC-18/U crystals
have a third lead, coming out between the 2 normal
> leads, that is grounded. I assume this is just a grounding lead to >ground
crystal case??
> What I would like to do is to tighten up this filter, say around 5 Khz.
> at the nose, for VHF AM work on 144 Mhz. As I understand it, I need to
> increase the values of these shunt capacitors to decrease the filter
> bandwidth. I was curious if anyone had any ideas as to the capacitor values
> to start out with?
> Thanks, Byron.

--

"Thomas Hodgkin died of natural causes"

Date: Wed, 29 Jan 2003 08:24:48 -0500
From: N0tk@aol.com
To: qrp-1@lehigh.edu
Subject: [145402] FOX:N0TK this Thursday
Message-ID: <7CB1273E.1F9ED350.00002D75@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

I will have the honor of being chased by hounds this Thursday.
W UFO and I will be the two Fox stations in this weeks foxhunt.
I will find a frequency above 7.04 MHz and will listen up from
my transmit frequency. I will check my transmit frequency for
callers near the end of the hunt.
Foxhunt starts Thursday evening 30 January at
9-11pm for EST stations
8-10pm for CST stations
7-9pm for MST stations

6-8pm for PST stations

Mert and I are looking forward to good band conditions and lots of hounds calling.

Dan N TK

Highlands Ranch, CO

Date: Wed, 29 Jan 2003 07:42:03 -0600

From: "David Bixler" <qrp@netins.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>

Subject: [145403] FSQRP Wednesday Warble

Message-ID: <000401c2c79c\$34e147c0\$e915b9cc@Host>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello gang:

Tonight at 9 PM central time, the Four State QRP Group has our weekly Wednesday Warble on 3580.5 KHz PSK-31 mode. All QRP'ers are welcome to join our informal roundtable chat.

We have been having a nice turnout and very good propagation the last few weeks. Time to dust off those Warblers (or any other PSK capable rig) and join the roundtable. Nothing formal, just some fun with QRP.

72, Dave

David Bixler W0CH
Seneca, Missouri

QRP: Little radios, Big Fun!

QRP Web Site: <http://w0ch.com>

Four State QRP Group: <http://w0ch.com/fsqrp>

Date: Wed, 29 Jan 2003 08:52:01 -0500
From: Steve.Lawrence@ITWFEG.COM
To: qrp-1@Lehigh.EDU
Subject: [145404] Re: Set your PC clock - just for the rest of us (And Win XP Users!)
Message-ID: <0FEB0F76B.FC0FF641-0N85256CBD.004BE031-85256CBD.004C2C70@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Windows XP users, this capability is built in -- there's no need for extra software.

Open the "Date and Time" icon on the Control Panel, and check out the "Internet Time" tab. Click on the help listed there for details.

Steve
aa8af

Date: Wed, 29 Jan 2003 08:52:15 -0500 (Eastern Standard Time)
From: W2AGN <w2agn@w2agn.net>
To: wrmoore47@comcast.net, qrp-1@Lehigh.EDU
Subject: [145405] Re: Elecraft reflector down?
Message-ID: <3E37DC8F.000001.34303@w2agn>
MIME-version: 1.0
Content-type: Text/Plain
Content-transfer-encoding: 7BIT

It would appear that once again, ALL of the QTH.NET lists are down.

+-----+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----Original Message-----

From: wrmoore47@comcast.net
Date: Wednesday, January 29, 2003 12:11:57 AM
To: Low Power Amateur Radio Discussion
Subject: Elecraft reflector down?

Anybody gotten any Elecraft reflector mail today? I haven't seen a thing.

73,
KS4L
Randy
Huntsville, AL

.

Date: Wed, 29 Jan 2003 09:38:00 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@lehigh.edu>
Subject: [145406] Power Output Confusion
Message-ID: <00b201c2c7a4\$06a13f70\$eab054d1@6300us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When I was a new ham, I built W7EL's Directional Wattmeter and have always used it to measure power. I also looked at the output on an oscilloscope and calculated it and I thought they always agreed, so I never put much thought into the hows & whys of measuring power. Suddenly, though, they've stopped agreeing with each other. I'm almost certain I have an oscilloscope problem, but figured I could transmit into a dummy load and use an RF probe to measure the voltage and calculate power output. When I did that though, (using the formula from SSD, $V_{\text{squared}} / 2R$ [I don't understand why $2 \times R$]) my calculations didn't agree with either.

So, last night I called a buddy who's much more experienced than me and asked what I'm doing wrong. He said it's impossible to calculate power using an RF probe or an oscilloscope because I don't know the phase angle. I didn't expect the voltage & current would be out of phase, but he said they frequently may be.

Does anybody have a comment??

Thanks, Denny N9JXY

Date: Wed, 29 Jan 2003 14:46:54 +0000
From: k4vib@att.net

To: qrp-1@lehigh.edu
Subject: [145407] Xformer on Front End of SW20+
Message-ID: <200301291447.h0TEkx4s021724@rain.CC.Lehigh.EDU>

Is there a 10.7Mhz IF xformer at the front end of the SW20+? If so is the internal cap eliminated or replace with another value cap?

Thanks,

Bill
K4VIB

Date: Wed, 29 Jan 2003 07:52:48 -0700
From: "Torell Kent-P12255" <Kent.Torell@gd-decisionsystems.com>
To: <qrp-1@Lehigh.EDU>
Subject: [145408] Re: NEW ADI DDS chips...
Message-ID: <842436234E142149AD86D8C6DC1D6A7A0166E805@AZ25EXM01N1.gddsi.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I've had an evaluation board from analog devices sitting on my desk for =
about a week now; I'm planning on having one of the junior engineers =
hook it up for some digital modulation tests. It appears to be very =
nice; I predict this family of DDS products from analog devices will =
become very popular. The part is the AD9954. Very few external parts =
required; serial programming and on-board processing clock loop can run =
to 400 MHz. This will make a nice altoids RF signal source through at =
least 2 meters. I predict a small antenna analyzer design from someone =
in 2004. :-)

Current silicon is in engineering sample form, so they're almost =
impossible to get (we have a total of 3) but they'll be in production =
this summer.

Kent Torell AB70A 480-675-2003 Fax 480-441-8400
General Dynamics Decision Systems
Systems and Information Services Section
8201 E. McDowell Road H2171
Scottsdale, AZ 85252
=20

Date: Wed, 29 Jan 2003 15:24:48 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [145409] Monolithic Crystal Filters
Message-ID: <F65fR8LhUGBOSfmC4QM00004164@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I have a question or two on monolithic crystal filters (MCF). I recently acquired a bunch of these and am wondering how one goes about cascading them to build multi-pole filters. Specifically, how does one select the coupling capacitances? Is that entirely empirical or is it related to some spec parameter for the MCF?

I plotted response data for several parts using only a series resistor between sig gen and filter and resistive termination from output to ground, watching the output directly from the filter through a scope probe. The filters were not marked with any numbers that I could track to learn their manufactured design specs so the filter impedances were not known. The ripple was quite significant but I am assuming that this is mainly because I made no particular effort to adjust the terminations, especially the capacitance.

Anyone here mess around with MCFs?

Brad KG6IOE

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<http://join.msn.com/?page=features/junkmail>

Date: Wed, 29 Jan 2003 10:37:10 -0500
From: palmer_t <ThomasPalmer@colliergov.net>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [145410] Re: High Speed CW [long]
Message-ID: <F833DC5C03BCB34EBE579DC8DC130447815F1D@CWW1.bcc.colliergov.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Chuck, thanks! An outstanding note!

Tom, N1TP

Naples, Florida

Date: Tue, 29 Jan 2002 10:59:05 -0500
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [145411] Palm Vx Problem
Message-ID: <20020129.105907.-271033.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

One of my younger brothers (not a ham) gave me his Palm Vx when he upgraded to a fancier model. I would like to use this for logging, and even downloaded a logging package for VHF/UHF to play with.

Everything looked fine with the Palm until I installed the program. Now the graffiti section of the screen quit and any contact on the screen results in either no action or an action in a different area of the screen.

I tried a soft reset so I could get to the digitizer but I can't get past the first screen. I then tried a hard reset but nothing happened, no reset and still stuck in the first screen.

Has anyone had this happen to their PDA? Contact me directly if so. The unit is out of warrantee. I did send an Email to Palm but have received no reply in the intervening week.

Direct replies, please...

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
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Date: Wed, 29 Jan 2003 16:18:31 +0000
From: "Alex Wiecek" <awiecek@hotmail.com>
To: QRP-L@Lehigh.EDU

Subject: [145412] 38S schematic
Message-ID: <F97bC5AmEdH995ZFM2800004002@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi all...

38S on the Norcal recently I came accross a schematic diagram for the
page
and decided to build one. I like this rig because it
seems to offer a lot of
bang for the buck.
Since the boards have been all sold out, I've decided
to build my own.
After further research, I discovered that the
schematic on the Norcal
page
seems to be an outdated one and there have been
modifications done to
the
circuit since it was first posted on the Norcal page.
Unfortunately I
don't
seem to be able to find the source of the modified
schematic and I was
wondering if perhaps some of the members here could
help me out.
I would really appreciate your help.
thank you
72s alex

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<http://join.msn.com/?page=features/featuredemail>

Date: Wed, 29 Jan 2003 12:06:08 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145413] Extech Mini Multiscope II
Message-ID: <000b01c2c7b8\$ba0f25e0\$87396fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anybody have any experience with the Extech Mini Multiscope? Know of any product reviews?

Thanks & 73,
jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

Date: Wed, 29 Jan 2003 10:06:46 -0700
From: "R. Neil Federspiel" <neil.federspiel@RNFAssociates.com>
To: <qrp-1@Lehigh.EDU>
Subject: [145414] RE: Power Output Confusion
Message-ID: <000001c2c7b8\$cf328660\$0301010a@RNFToshiba>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I think I sent this to the wrong address in my first try so I'll try again. My apologies if it actually shows up twice.

Assumptions: that everything is calibrated correctly; that you are measuring the peak voltage and not the peak to peak voltage; that you have a good cable between the transmitter and the dummy load; and that the dummy load is a resistive load

Answer: the formula is correct

The factor of 2 in the denominator converts the two instances of peak voltage to RMS voltage ($V/\sqrt{2}$) * ($V/\sqrt{2}$) is the same as $V^2/2$

73 de VE6RNF, Neil

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Dennis Payton
Sent: January 29, 2003 7:38 AM
To: Low Power Amateur Radio Discussion
Subject: Power Output Confusion

When I was a new ham, I built W7EL's Directional Wattmeter and have always used it to measure power. I also looked at the output on an oscilloscope and calculated it and I thought they always agreed, so I never put much thought into the hows & whys of measuring power. Suddenly, though, they've stopped agreeing with each other. I'm almost certain I have an oscilloscope problem, but figured I could transmit into a dummy load and use an RF probe to measure the voltage and calculate power output. When I did that though, (using the formula from SSD, $V_{\text{squared}} / 2R$ [I don't understand why $2 \times R$]) my calculations didn't agree with either.

So, last night I called a buddy who's much more experienced than me and asked what I'm doing wrong. He said it's impossible to calculate power using an RF probe or an oscilloscope because I don't know the phase angle. I didn't expect the voltage & current would be out of phase, but he said they frequently may be.

Does anybody have a comment??

Thanks, Denny N9JXY

Date: Wed, 29 Jan 2003 12:23:42 -0500
From: "Russ Hines" <wb8zcc@one.net>
To: <dpayton@fwi.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145415] Re: Power Output Confusion
Message-ID: <004601c2c7bb\$2b92d4d0\$4307c00a@wb8zcc1>

Sure, I have a comment.

Most power metering devices and circuits available to us today are essentially voltage measuring schemes. We rectify a sample of RF energy, and measure the resulting voltage to extrapolate power at a particular impedance. And this, as they say, is close enough for gov't. work.

I think your friend is correct with regard to antennas and other reactive devices. However, when power is measured into a resistive load, the voltage/current phase angle shouldn't be of concern.

Go ahead and use an RF voltage probe, 'scope, or diode and DMM. Your calculations will be fine into a resistance like your dummy load, I just wouldn't rely on them into antennas.

The $P=E^2/2R$ formula is a quick way of getting from a peak voltage measurement to average power. Use it if your measuring a sinusoid (an unmodulated RF carrier is one) and your measuring circuit can't give you an RMS voltage value; otherwise, use $P=E^2/R$.

Hope this helps.

73,
Russ Hines
WB8ZCC

----- Original Message -----

From: "Dennis Payton" <dpayton@fwi.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, January 29, 2003 9:38 AM

Subject: Power Output Confusion

> When I was a new ham, I built W7EL's Directional Wattmeter and have always
> used it to measure power. I also looked at the output on an oscilloscope
and
> calculated it and I thought they always agreed, so I never put much
thought
> into the hows & whys of measuring power. Suddenly, though, they've stopped
> agreeing with each other. I'm almost certain I have an oscilloscope
problem,
> but figured I could transmit into a dummy load and use an RF probe to
> measure the voltage and calculate power output. When I did that though, (
> using the formula from SSD, $V_{\text{squared}} / 2R$ [I don't understand why $2 \times R$]) my
> calculations didn't agree with either.
>
> So, last night I called a buddy who's much more experienced than me and
> asked what I'm doing wrong. He said it's impossible to calculate power

using
> an RF probe or an oscilloscope because I don't know the phase angle. I
> didn't expect the voltage & current would be out of phase, but he said
they
> frequently may be.
>
> Does anybody have a comment??
>
> Thanks, Denny N9JXY
>
>

Date: Wed, 29 Jan 2003 12:21:42 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [145416] Re: Set your PC clock - just for the rest of us
Message-ID: <BA5D77D6.17334%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

And Mac users with OS 8 and up can use the Date and Time control panel to
use the System's link to the Apple time server.

73 de Ray
K2ULR
FN20tk

Date: Wed, 29 Jan 2003 09:41:08 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [145417] Code Class software
Message-ID: <Pine.LNX.4.44.0301290938520.2177-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you know someone who needs to learn the code direct them to

my web page and get Morse Academy. The page is:

<http://www.zianet.com/k5di/cw/index.html>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Wed, 29 Jan 2003 18:41:52 +0000
From: Harry Hurst <wa3ptg@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145418] HB - tube receiver
Message-ID: <002401c2c7c6\$177f5cb0\$0200a8c0@daisy>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Has anyone designed/built a tube receiver using a computer-crystal filter and 10.7 MHz IF cans as is common with solid state rigs? I can't think of a reason a design like that wouldn't work except possibly because it's not a traditional design.

72
Hap, WA3PTG
Wilmington DE

Back on the evening shift with entirely
too much time on my hands.

Date: Wed, 29 Jan 2003 13:43:40 -0500 (Eastern Standard Time)
From: W2AGN <w2agn@w2agn.net>
To: k5di@zianet.com, qrp-1@Lehigh.EDU
Subject: [145419] Re: Code Class software
Message-ID: <3E3820DC.000011.34303@w2agn>
MIME-version: 1.0
Content-type: Text/Plain
Content-transfer-encoding: 7BIT

Not to suggest that anyone would not be a better, wiser person for going to Karl's website, but you can also get it from the originator at:

<http://ah0a.org/AH0A.html>

+-----+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----Original Message-----

From: k5di@zianet.com
Date: Wednesday, January 29, 2003 01:27:05 PM
To: Low Power Amateur Radio Discussion
Subject: Code Class software

If you know someone who needs to learn the code direct them to my web page and get Morse Academy. The page is:

<http://www.zianet.com/k5di/cw/index.html>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

.

Date: Tue, 28 Jan 2003 17:20:41 -0800 (PST)
From: Nelson Winter <thenels@go.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145420] Re: LAX Area QRPers (Commerce, CA)
Message-ID: <3356639.1043803241835.JavaMail.thenels@gomailjtp01>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Another good one is All Electronics - they're in the valley.

<http://www.allcorp.com/>

-----Original Message-----

From: "Ian Wilson"<ianmwilson@earthlink.net>
To: "Low Power Amateur Radio Discussion"<qrp-1@Lehigh.EDU>
Date: Sun Jan 26 08:53:08 PST 2003
Subject: Re: LAX Area QRPers (Commerce, CA)

>Tried <http://www.goldmine-elec.com> ? Tons of LEDs....

>

>73 de ian, k3imw/6

>

>>

>> I'm looking for neat stores that handle stuff we all like. I'm especially
>> interested in high output LEDs similar to Mouser part # 604-L7113VGTC/M
>> that are rated at 8000 to 18000 mcd in the green. These may be the same
>> ones used in a LED flashlight that sells for \$10 at Fry's Electronics. But I'm
>> not interested in paying \$2.29 each for 100 of them for a project that I
>> have going.

>>

>

>

>

Less = More

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Date: Wed, 29 Jan 2003 13:08:27 -0600
From: "Steve Zumbrun" <zumbruns@evertek.net>
To: <qrp-1@Lehigh.EDU>
Subject: [145421] FS: LDG Z-11 antenna tuner
Message-ID: <006501c2c7c9\$ce8a4fc0\$6404a8c0@s0023320298>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have mint Z-11 used very little FS. I am asking \$120 plus shipping. Thanks
and 73, Steve W0SZ

Date: Wed, 29 Jan 2003 14:11:33 -0500
From: wkhibbert@juno.com
To: qrp-1@lehigh.edu
Subject: [145422] Got the PalmVx going, How About Logging Software?
Message-ID: <20030129.141134.-444513.0.wkhibbert@juno.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to the gang, 3 replies, all pointing to the same software 'fix',
digifix v 1.2-2.

Now that the Palm is back with the living, how about a generic logging
package for the Palm platform? Any suggestions?

73, Wm. Keith Hibbert, WB2VU0, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

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Date: Wed, 29 Jan 2003 11:45:05 -0800
From: "Mike T. Miller" <dude@sun.com>
To: qrp-1@lehigh.edu
Subject: [145423] Bluetooth module?
Message-ID: <2A0392C6-33C2-11D7-81FA-000393A572A6@sun.com>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII; format=flowed
Content-transfer-encoding: 7BIT

I'm looking for a bluetooth module for experimenters. I've found a few
but they all have a USB interface. What I'm looking for is something a
bit more friendly to experimenters, i.e. something I can interface to a
PIC. My goal is to experiment with interfacing one of my radios (maybe
my SST) to bluetooth. This would allow all kinds of interesting
things, such as:

- * wireless key and headset for a more trail friendly radio
- * wireless interface to my laptop
- * depending on the audio capabilities of bluetooth, maybe even PSK31
(obviously not with SST)

Any ideas?

-mike, KE4ZAF

Date: Wed, 29 Jan 2003 15:08:58 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145424] Rock Mite DX
Message-ID: <001b01c2c7d2\$45571630\$d4606fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just worked W7JHS in Prosser, Washington, from Woodstock, Virginia, with an unmodified 20 meter Rock Mite to an unremarkable horizontal loop. 2137 miles zip-to-zip with, probably, less than half a watt out.

Not bad for a \$25 transceiver.

jim-
KG4LDY

Date: Wed, 29 Jan 2003 14:09:08 -0600
From: "George, W5YR" <w5yr@att.net>
To: <dpayton@fwi.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145425] Re: Power Output Confusion
Message-ID: <004a01c2c7d2\$4927cd40\$0201a8c0@fairviewtx.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Briefly, Denny, your friend is correct in that the real power in an a-c or r-f circuit is calculated by using the formula

$$P = |V| * |I| \cos \langle \theta \rangle$$

where $\langle \theta \rangle$ is the phase angle between the voltage and current and $|V|$ and $|I|$ are the rms magnitudes of voltage and current.

In the usual amateur radio power measuring situation, we are trying to deduce a power level by measuring the voltage across a known resistive load using some form of a-c voltage measuring device: a-c DVM, scope, etc.

Since we are dealing with a resistive circuit, $\langle \theta \rangle$ is zero degrees and since the cosine of 0 deg is one, there is no phase angle to be

considered in making the measurement and subsequent calculation. Your friend is correct in the general case, but evidently was not aware of the particulars of what you were trying to do. As an example, you could not measure power by just measuring the voltage and current in a transmission line. There we do have a non-zero value for θ and unless we know that value, we cannot calculate the power level.

As to the formula situation, the basic formula to keep in mind is that the power in a resistive circuit can be determined from

$$P(\text{watts}) = \{E(\text{rms volts})\}^2 / R (\text{ohms})$$

If we measure peak or peak-to-peak voltage with a scope, for example, then we have to convert that measurement to an rms voltage. Do a little algebra and you will see where that $2R$ term comes from.

Hope this helps a little . . .

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

K2 #489 IC-765 #2349 IC-756 PRO #2121 IC-756 PRO2 #3235

----- Original Message -----

From: "Dennis Payton" <dpayton@fwi.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, January 29, 2003 8:38 AM

Subject: Power Output Confusion

> When I was a new ham, I built W7EL's Directional Wattmeter and have
always
> used it to measure power. I also looked at the output on an
oscilloscope and
> calculated it and I thought they always agreed, so I never put much
thought
> into the hows & whys of measuring power. Suddenly, though, they've
stopped
> agreeing with each other. I'm almost certain I have an oscilloscope
problem,
> but figured I could transmit into a dummy load and use an RF probe
to
> measure the voltage and calculate power output. When I did that
though, (

> using the formula from SSD, $V_s^2 / 2R$ [I don't understand why
2xR]) my
> calculations didn't agree with either.
>
> So, last night I called a buddy who's much more experienced than me
and
> asked what I'm doing wrong. He said it's impossible to calculate
power using
> an RF probe or an oscilloscope because I don't know the phase angle.
I
> didn't expect the voltage & current would be out of phase, but he
said they
> frequently may be.
>
> Does anybody have a comment??
>
> Thanks, Denny N9JXY
>
>

Date: Wed, 29 Jan 2003 15:53:53 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [145426] Re: LAX Area QRPers (Commerce, CA)
Message-ID: <BA5DA990.1734C%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

All's website is temporarily QRT... maybe they got hit with the server worm.
They are supposed to be back up in a few hours.

73 de Ray
K2ULR
FN20tk

> From: Nelson Winter <thenels@go.com>
> Reply-To: thenels@go.com
> Date: Tue, 28 Jan 2003 17:20:41 -0800 (PST)
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: Re: LAX Area QRPers (Commerce, CA)
>
> Another good one is All Electronics - they're in the valley.

>
> <http://www.allcorp.com/>
>
>

Date: Wed, 29 Jan 2003 15:07:53 -0600
From: "Rob Matherly" <w0jrm@arrl.net>
To: "Flying Pigs" <fpqrp-l@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [145427] Wtd: QRP Nets
Message-ID: <01d801c2c7da\$81994a20\$6f11a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All;

For some reason my brain is shorting out and I can't think of the right way to phrase this.

I'm putting together a list of QRP nets at my website. Please let me know of any nets you know of so I can include them on the list. CW, PSK-31, SSB, whatever.

Did that come out right? Hope it did. Maybe I inhaled too many fumes while changing my spark plugs....

--
72/73/oo - Rob, w0jrm - w0jrm@arrl.net - ex-kc0bom - oink d'oink
ARRL, FPQRP -330, SOC #497, QRPp-I #19, IAQRP #143, ARS #1143, WATPK #1
Rigs: KWD TS-820; Drake TR-3; MFJ 9040
<http://www.qsl.net/w0jrm>

Date: Wed, 29 Jan 2003 16:17:36 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'dpayton@fwi.com'" <dpayton@fwi.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [145428] RE: Power Output Confusion
Message-ID: <01C2C7B1.F0B185E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Your friend must be in the electric power biz (as I am). We have to worry about phase angles and stuff. Of course the same principles apply with RF, but when we speak of transmitter power output, we are talking about into a 50 ohm resistive load. In that case the phase angle will be zero and you can ignore phase angle corrections.

I agree with others that your RF probe equation is correct. Now, you've got three measurements--do any two agree?

The W7EL meter has a calibration adjustment. Maybe the contact on the trimmer has developed some resistance and needs to be wiped. Also it's (usually) battery powered. Sounds trivial, but in the past week I've had to scratch my head over two bad readings (one the AADE and the other an RF power meter) and found that it was the battery in both cases.

The RF probe ought to be fairly accurate if you're not milliwatting--if you're up in the watt+ range it should be OK.

Another thought--some published RF probe circuits incorporate a voltage divider to give RMS voltage instead of peak. If you built that one, use V^2/R instead of $V^2/2R$ formula.

Any time you make two independent measurements of the same thing, you're asking for trouble. Hah!

72--Nick, WA5BDU

On Wednesday, January 29, 2003 8:38 AM, Dennis Payton
[SMTP:dpayton@fwi.com] wrote:

>

> So, last night I called a buddy who's much more experienced than me and
> asked what I'm doing wrong. He said it's impossible to calculate power
using

> an RF probe or an oscilloscope because I don't know the phase angle. I
> didn't expect the voltage & current would be out of phase, but he said
they

> frequently may be.

>

Date: Wed, 29 Jan 2003 23:40:50 +0100
From: "Johan Smet" <johan_smet@pandora.be>
To: <QRP-L@Lehigh.edu>

Subject: [145429] High Speed CW
Message-ID: <EIELKLLAKHJMDPPKMKALAEPLCAA.johan_smet@pandora.be>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys,

Tnx for all your responses re. the "human CW machine", many of them referring to the legendary Theodore Roosevelt McElroy. Seems Mister McElroy learned the code at the age of 15 (as my brother and I myself did) but he sure was talented! Would he be copying 70+ wpm in a howling pileup though? The "selective" ear defeating the roaring QRM/N.

Psychoacousticians (not to be confused with psycho acousticians running around with tune forks to stab people in the back with ;-)) study how sounds entering the ear are processed by the ear and the brain. Their findings are very interesting for us CW freaks. Google for the "Ear Page" if you'd like to read more about PA.

72,

Johan ON5EX

Date: Wed, 29 Jan 2003 17:56:38 -0500
From: john <johnmb@nc.rr.com>
To: qrp-1@lehigh.edu
Subject: [145430] MV-1662 varactor diode characteristics
Message-ID: <3.0.3.32.20030129175638.02486438@pop-server.nc.rr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I installed this Varactor diode in backwards in my Sidekick, and I'm wondering if I can check (as one would, a "normal" diode) it's health with an ohmmeter? I note that the one spec I see doesn't give much in the way of diode-like spec information (I do see a VERY low reverse current max, which makes me worry).

I suspect a better question might be...who stocks these in retail quantities?

The good news is that the Vfo is operational, the mixer works and the audio amp makes audio, so I'm close!

73

John k5MO

Date: Wed, 29 Jan 2003 16:58:47 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'k7qo@earthlink.net'" <k7qo@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145431] RE: High Speed CW [long]
Message-ID: <01C2C7B7.B16C42C0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Good info, Chuck ...

I couldn't get the link to work. Think you've got wk3 where you should have sk3 ... try

<http://www.sk3bg.se/contest/rufztop.htm>

and click on senior males to see Chuck at the top. Hey Chuck, put your picture up there so we can see what you look like.

... then scroll down 25 places (and about a million WPM) and you'll find WA5BDU ...

.
>
> What some one needs to do is form a group to set up RUFZ at the
> QRP gatherings and let people try it out.

I've put on the CW copying contest at hamfests a couple of times. The last time, I did a "self service" CW contest where you just walk up to the PC, put on the phones, and have a shot at RUFZ. It works great because RUFZs posts a list of scores like a video. You need to allow people to try it multiple (or unlimited) times, because it takes a couple of attempts to come to grips with RUFZ's full bore attack.

It's really a great program for sharpening your CW skills.

72--Nick, WA5BDU

Date: Wed, 29 Jan 2003 14:19:41 -0900
From: "Jim Larsen, AL7FS" <JimLarsen2002@alaska.net>
To: Rock-Mite_Group@yahoogroups.com,
Iowa QRP-L <iaqrp-l@mailman.qth.net>,
Subject: [145432] Rock Mite DX - K4THL, Alaska QRP and a possible Alaska Mite Marathon.
Message-ID: <3E38618D.2060601@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

This K4THL character must be the world's most active RockMite operators. Way to go, Tom! Well done.

The physical Alaska QRP Club members have done a group buy on RockMite20s and I there should be about a dozen of them on the air in the next few months. I started the Alaska QRP Club meetings in October and after four months of meetings we are still averaging about a dozen QRPers per meeting. Over 20 different folks have attended one meeting or another. We are all having fun with meetings and now we will be able to compare building experiences with the RockMites.

I am hoping to organize an Alaska Mite Marathon in which I get one or two Alaska Operators to commit to being on the air with their RockMites each day over a period of a week. I would be very happy if I could get at least seven stations on for seven days straight. Kinda like a Fox Hunt but not set in stone on the time. Each operator would be on as much as possible during his assigned day. Sound like fun? I hope so.

Again, Tom, you are in inspiration with 39 states worked with your RockMite from that far away state diagonal across the US from Alaska. I was tickled to be your Alaska contact. Thanks.

73, Jim
Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs/>
Vi Minore, Plus Gaudium

Tom Lewis wrote: I snagged Idaho and Maine last night from South Florida. That makes 39 states (inc. AK). <some text deleted> The dipole is up about 35 Ft.
> Tom K4THL

End of QRP-L Digest 2815
